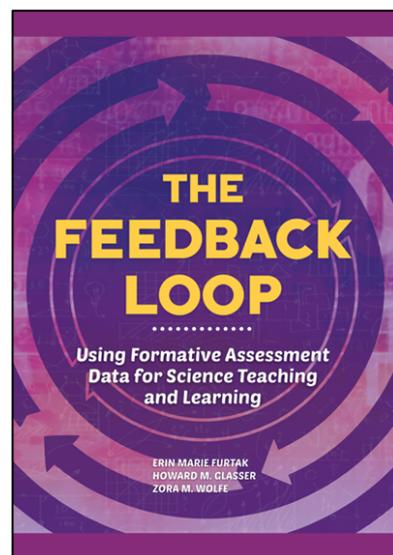


The Feedback Loop: Using Formative Assessment Data for Science Teaching and Learning

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Date Available: April 2017
ISBN: 978 1 76001 047 8
Code/SKU: NST0478
RRP: \$55.95
Format/Page No.: A4, 182 pages
Year Level: Teachers and Administrators
Focus Area: Professional Development,
Activities and Exercises,
Assessment
Key Learning Area: Science



Summary

In the introduction to *The Feedback Loop*, the authors write, “We wanted to become better teachers but were overwhelmed with other tasks and uncertain about how to begin examining these areas.” What teacher *hasn't* felt this way?

This groundbreaking book offers a practical process for gathering data from students in ways that will show you how to become a more effective science teacher without overwhelming you. Drawing on research-based findings and the experiences of both new and veteran classroom teachers, *The Feedback Loop* lets you design and implement your own formative assessment of your teaching and students' learning. The approach works for middle and high school teachers, regardless of discipline or experience level.

Step by step, the book's chapters

- introduce the Feedback Loop framework;
- highlight ways to set goals, develop tools, analyse data, and draw inferences;
- explore how to close the loop by connecting inferences and goals through feedback;
- explain how to use the full loop to inform your instruction; and
- recommend ways to involve both students and colleagues in broadening your perspective.

Adding to its practical value, the guide features classroom vignettes that ground the ideas in real-life situations and supports the *Next Generation Science Standards*. Most important, it provides you with data that go way beyond what standardized test scores tell you. *The Feedback Loop* supports student learning and helps you strengthen your teaching practice in your very next lesson or unit.

Other Resources

- *Becoming a Responsive Science Teacher: Focusing on Student Thinking in Secondary Science* (NST0799)
- *The Feedback-Friendly Classroom: How to Equip Students to Give, Receive, and Seek Quality Feedback that Will Support their Social, Academic, and Developmental Needs* (PBP7736)
- *How to Make Decisions with Different Kinds of Student Assessment Data* (116003)
- *Knowing What Counts: Self-Assessment and Goal Setting, Second Edition* (SOT1793)